STC-AFCM133DV

CMOS Auto Focus Series

- High Definition 720p at 60 fps
- 1/3” High Performance CMOS Sensor
- True 16:9 Aspect Ratio
- 11x Optical Zoom

SENTECH
Sensor Technologies America, Inc.

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www.SentechAmerica.com

Specifications

Product			STC-AFCM133DV
Electronic Specifications	Imager		1/3 " SXGA CMOS: IMX104 (SONY)
	Active Picture Elements		1280 (H) x 1049 (V)
	Cell Size		3.75 (H) x 3.75 (V) um
	Sync System		Internal
	Video Output		DVI 1.0 Conformity RGD, 1280 (H) x 720 (V), 60Hz / 50Hz (YPbPr LVDS signal output from LVDS KEL connector)
	Camera Functions	ALC	Can be configured via the UART communication with optical iris, auto electronic shutter ad AGC.
		Shutter Speed	Adjustable shutter speed via the UART communication
		Gain	AGC or Fixed gain selectable via the UART communication
		Digital Gain	Up to 12.0242 dB
		Gamma	Selectable gamma via the UART communication
		White Balance	Auto white balance / manual white balance / push to set white balance Selectable via the UART communication
		Mirror Image	Horizontal and vertical flip are selectable mirror image via the UART communication
		Picture Modes	Three picture mode selectable via the UART communication
		Line Generator	Adjustable thickness via the UART communication
		Shadow Mask Generator	Both horizontal and vertical shading level adjustment via the UART communication
		Motion Detection	Selectable On or Off via the UART communication
		Digital Zoom	x1 to x128 digital zoom Digital pan and tilt is available on frozen image
		Freeze Image	Selectable live image or freeze image via the UART communication Digital pan and tilt is available on frozen image
		Communication	UART communication via C304 (S4B-ZR-SM4A, JST) connector
		Character Generator	Built-in character generation function via the UART communication
		Pixel Blemish Correction	Static pixel blemish correction up to 64 pixels
	Lens Control Functions	Optical Zoom	Manual zoom position control via the UART communication
		Focus	Auto focus / manual focus / push set focus Selectable focus mode via the UART communication
		Iris	Auto Iris / Manual Iris / Push Set Iris Selectable iris control mode via the UART communication
	Power	Input Voltage	DC 8 to 15 V (Typical: 12 V)
Mechanical Specifications	Dimensions		55.5 (W) x 48.5 (H) x 76 (D) mm
	Auto Focus Lens		11x auto focus zoom lens (Tamron) Optical zoom range from 5.2 mm to 58.8 mm Aperture: F 1.6 at f=5.2mm to F3.0 at f=58.8 mm
	Close-Up Lens		Without any close-up lens
	Optical Filter		IR cut filter on
	Interface Connector	Video Output (DVI)	Mini-HDMI connector / CN207, SSL00-10L# (KEL)
		Video Output (LVDS)	CN204, SSL00-10L3 (KEL)
		HD/VD Signal Output	CN206, SM05B-SRSS (JST)
		Power Input	CN303, S2B-ZR-SM4A (JST)
		External Control	CN305, SM06B-SRSS (JST) 6-pin connector header for up to nine external switch connectivity
		Communication	CN304, S4B-ZR-SM4A (JST)
	Weight		Approximately 150g
Environmental Specifications	Temperature	Operational	0 to 45 deg. C
		Storage	-30 to 65 deg. C
	RoHS		RoHS Compliant

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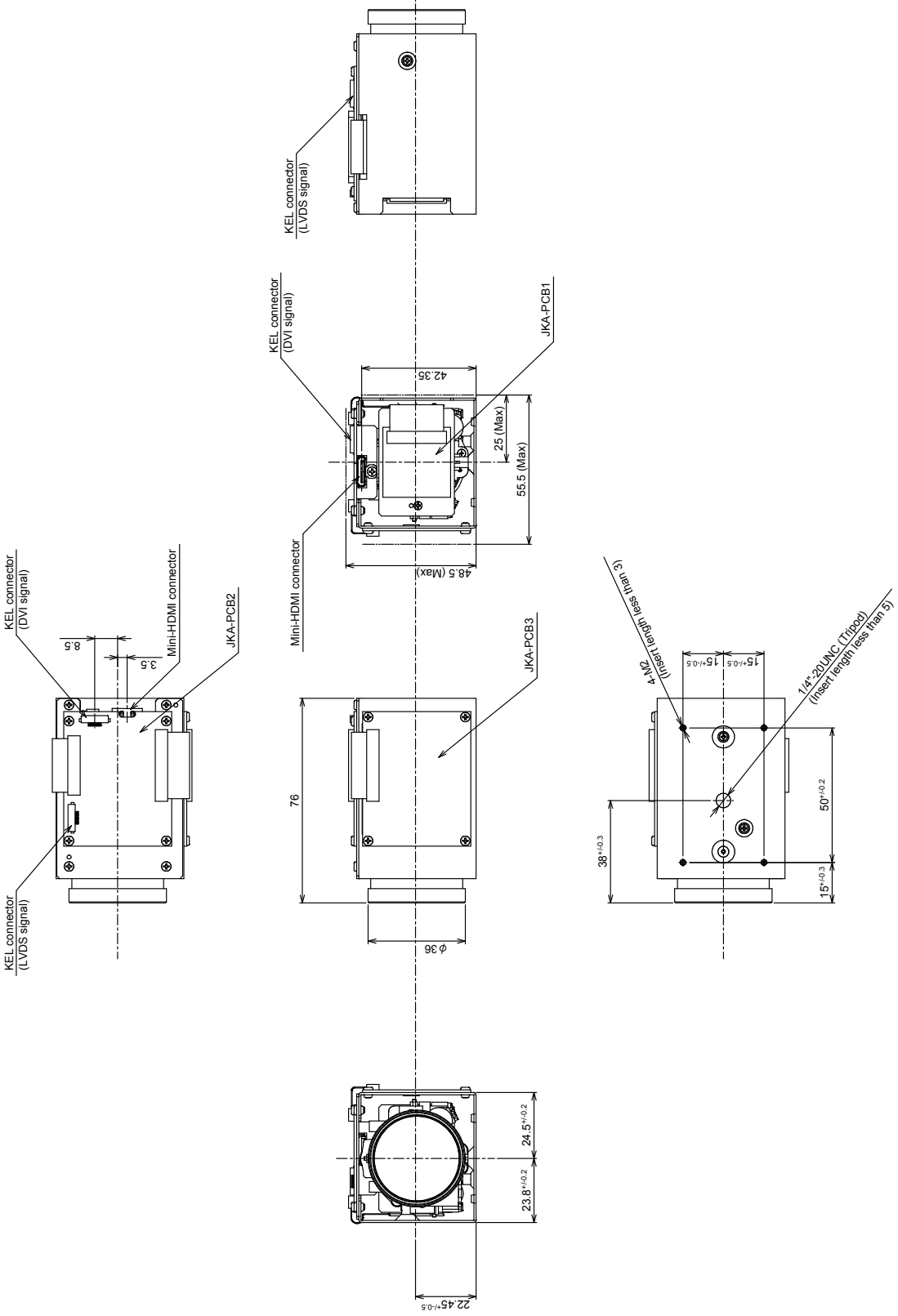
Mechanical Drawings



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Key Features

- Low Cost
- Direct Connect to Monitor with DVI via HDMI
- On Board Image Processing for Low Vision Magnifier Systems
- DVI-LVDS Video Output
- Optional 25mm Close Up Lens
- RS232 Serial Communication

The STC-AFCM133DV is the newest addition to Sentech's Auto Focus Camera line. This low cost, high performance CMOS sensor camera outputs both DVI and LVDS signals. The DVI signal can go directly to any flat screen monitor that takes a DVI or HDMI input. The STC-AFCM133DV auto focus block camera outputs a 720p, 60 fps, 16x9 image and provides full on-board image processing for Low Vision Magnifier systems.

If you are interested in the STC-AFCM133DV or any of the many Sentech cameras look no further! Contact your Sales Representative immediately.

(Business Card)

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